

DATE: August 1, 2006

TO: Region Engineers
Region Delivery Engineers
Region Development Engineers
TSC Managers
Resident/Project Engineers
Region Construction Engineers

FROM: Larry E. Tibbits
Chief Operations Officer

John C. Friend
Engineer of Delivery

SUBJECT: Bureau of Highway Instructional Memorandum 2006-07
2006 Soil Erosion and Sedimentation Control Manual

The 2006 edition of the *MDOT Soil Erosion and Sedimentation Control (SESC) Manual* has been approved by the Michigan Department of Environmental Quality (MDEQ). The information in this manual, when applied in conjunction with the standard specifications for construction, project plans and other contract documents, constitutes the department's soil and sedimentation control plan. As an authorized public agency, MDOT is required to implement and enforce the procedures described in the approved *SESC Manual* on all projects involving earth change activities.

Implementation of the 2006 Edition of the SESC Manual – Development

There are changes in the numbering of SESC measures detailed in the manual that will impact preparation of contract documents for projects let under this new edition. Due to these changes, MDOT will implement the 2006 edition of the manual beginning with the October 2006 letting.

If circumstances prevent making changes in plans to reflect the new numbering system for projects scheduled for the October 2006 letting, the attached Notice to Bidders must be inserted in the proposal to alert contractors to the changes. This Notice to Bidders may be used through the letting of March 2007. In addition, the plan note discussed below must be included in each set of plans to establish the limits of earth disturbance.

Implementation of the 2006 Edition of the SESC Manual – Delivery

Delivery staff will implement the administrative procedures contained in the new edition as soon as the manuals are distributed. Region engineers are directed to notify all contract maintenance

agencies of the need to obtain and follow this new manual for all earth change activities on MDOT trunk lines.

Major Changes in the 2006 Edition

In addition to converting to English units of measure, the procedures have been updated to reflect changes implemented with the release of the *2003 Standard Specifications for Construction* and changes in the state rules and regulations governing SESC. The following list highlights the major changes in the 2006 edition:

- Procedures emphasize a proactive approach to addressing soil erosion and off-site sedimentation.
- “Limits of Earth Disturbance” has been established as ten feet outside the slope stake line, except adjacent to wetlands and unless otherwise indicated in the contract documents. Designers must include this note on all plans that involve earth disturbing activities, including clearing activities. This will be added to the list of standard notes.
- Information contained in BOH-IM 2004-23, *SESC Training and Deficiency Correction Requirements*, has been incorporated and the IM is now obsolete.
- Information contained in the March 8, 2004, letter from MDOT’s Chief Operations Officer to contractors concerning earth change plans and the correct installation and maintenance of silt fence has been incorporated.
- Emphasis is placed on maintenance of all SESC devices, as specified by Section 208 of the *2003 Standard Specifications for Construction*, to reduce soil erosion and prevent off-site sedimentation.
- Additional design considerations are included to guide the inclusion of SESC details in contract documents.
- Flow charts and guidance has been included to assist in determining the actions to be taken to ensure compliance. These are shown for MDOT compliance efforts and for MDEQ enforcement actions.
- Emphasis is placed clearly documenting all SESC inspection findings and completion of all required corrective actions.
- All Erosion & Sedimentation (E&S) detail sheets have been reformatted to follow the layout of our standard plans and special detail sheets. Reference is made to the *Drainage Manual* for additional information on the selection and design of several E&S details.
- Several E&S details not typically used by MDOT have been deleted. Standard Plan R-96, Soil Erosion & Sedimentation Control Measures, has been revised to indicate the key numbers as they are shown in the new manual.
- The Performance Guide for Maintenance Activity 12300, Ditch Clean-Out, has been revised to reference the approved work method for this specific activity. The revised performance guide is included in the appendix of the manual.
- An example of an earth change plan that complies with the SESC rules has been included in the appendix of the manual.

Availability of the 2006 Edition of the *SESC Manual*

This manual is being implemented in accordance with the Construction and Technology Support Area Guidance Document DL-401, *Publication of Revisions to Division Manuals*. Copies will be distributed through the MDOT Publications Office to all holders of record on file as having ordered the 2000 edition through that office. If copies of the 2000 *SESC Manual* were not ordered directly from the Publications Office, there will be no record on file and the new manuals will need to be ordered directly from Publications. The 2006 edition of the *SESC Manual* will also be posted to the MDOT public Web page for downloading or viewing.

Questions concerning this manual may be directed to following:

Implementation: Judy Ruszkowski, Operations Environmental Stewardship Engineer, at ruszkowskij@michigan.gov or 517-322-5698.

Technical Content: David Pawelec, Engineer of Specifications, at pawelecd@michigan.gov or 517-322-5669.

Obtaining Copies: MDOT Publications Office at MDOT-Publications@michigan.gov or 517-322-1676.

Chief Operations Officer

Engineer of Delivery

Attachment

BOHD:C/T:JAR:kab

Index: Environment

cc: C & T Support Area Staff
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M. Van Port Fleet
J. Reincke
J. Culp
B. O'Brien
S. El-Ahmad
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